Sub A22

1. A method of broadcasting television programming including:

generating an analog video signal;

digitally encrypting an audio signal;

modulating a carrier with said digitally encrypted audio signal and said analog video signal; and

broadcasting said audio and video signals.

2. The method of claim 1 wherein modulating a carrier with said digitally encrypted audio signal includes using orthogonal frequency division multiplexing to form symbols.

3. The method of claim 2 including using an inverse Fourier transform to convert a frequency domain signal back to the time domain.

4. The method of claim 3 including providing a guard interval with an orthogonal frequency division multiplexing symbol.

5. The method of claim 4 including providing said guard interval as a cyclic prefix.

6. The method of claim 4 including setting the guard interval to a time equal to the worst case multi-path delay.

7. The method of claim 6 including setting the multi-path delay time about 250 microseconds.

8. The method of claim 7 including setting the guard interval to less than about one quarter of the symbol duration and setting the symbol time to about one millisecond.

9. The method of claim 1 wherein modulating a carrier includes using a conventional FM subcarrier and modulating said carrier with said audio signal.

10. The method of claim 7 including synthesizing a carrier to form a frequency modulated subcarrier.

11. The method of claim 1 wherein generating an analog video signal includes generating an analog video signal with a graphical overlay pattern.

12. A television transmitter comprising:

a graphics pattern generator that provides a graphics pattern for an analog video signal;

an analog-to-digital converter coupled to receive an analog audio signal;

a digital encryption stage coupled to said converter; and

a modulator coupled to said stage.

13. The transmitter of claim 12 wherein said modulator uses orthogonal frequency division multiplexing.

14. The transmitter of claim 13 further including an inverse Fourier transform unit coupled to said modulator.

15. The transmitter of claim 14 including a digital-to-analog converter coupled to said unit.

16. The transmitter of claim 13 including a device that overlays said graphics pattern on an analog video signal.

17. The transmitter of claim 13 including a modulator that modulates a carrier with said analog video signal with said overlaid graphics pattern.

18. A television receiver comprising:

a video detector to separate a received television signal into audio and video components;

a device to remove the graphics overlay from an analog video signal;

a digital-to-analog converter coupled to said audio signal;

a decryption stage coupled to said converter; and

a demodulator coupled to said stage.

19. The receiver of claim 18 wherein said demodulator demodulates using orthogonal frequency division multiplexing.

20. The receiver of claim 18 further including a Fourier transform unit coupled to said demodulator.

21. The receiver of claim 18 including an analog-to-digital converter coupled to said unit.